## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                 | INITIALS | ID NO. | / /DATE |  |  |
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| FEE DETERMINATION        | his      |        | 1/2/6   |  |  |
| O.I.P.E. CLASSIFIER      | 9        | 10     | 9120    |  |  |
| FORMALITY REVIEW         |          | 65955  | 11/1    |  |  |
| RESPONSE FORMALITY REVIE | w        |        |         |  |  |
| RESPONSE FORMALITY REVIE | W        |        |         |  |  |

## INDEX OF CLAIMS

| ✓ Rejected                   | N Non-elected |
|------------------------------|---------------|
| = Allowed                    | IInterference |
| — (Through numeral) Canceled | A Appeal      |
| ÷ Restricted                 | 0 Objected    |

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| Final               | Original | 21110    |          |              |          |  |           |           |              |              |               |
| <u> </u>            | o<br>N   | 3        |          |              | _        |  | $\dashv$  | -         | -            | $\dashv$     | $\dashv$      |
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|                     | 6        |          |          |              |          |  |           |           |              |              | _             |
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| $\perp$             | 8        | +        | $\vdash$ | _            |          |  |           | $\dashv$  | -            |              |               |
| $\dashv$            | 9        | +        |          | -            | _        | _  | -         | -         |              |              | $\dashv$      |
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| 4                   | 2        | rt       | Н        |              |          |  |           |           | $\exists$    |              |               |
|                     | 13       |          |          |              |          |  |           |           |              |              |               |
| -                   | 14       | $\perp$  | Щ        |              |          |  | Ш         |           |              |              |               |
| -                   | 15       | 4        | Щ        |              | _        |  | $\square$ | _         |              | Щ            |               |
|                     | 16<br>17 | +        | Н        |              | _        | _  | $\vdash$  |           | _            | $\dashv$     |               |
|                     | 18       | +        | -        |              |          | _  |           | -         | _            |              |               |
|                     | 19       | 5        |          | _            |          | _  |           | _         | -            |              |               |
|                     | 20       | 4        | H        |              |          | Т  | М         |           |              |              |               |
|                     | 21       | 7        |          |              |          | -  |           |           |              |              |               |
|                     | 22       |          |          |              |          |  |           |           |              |              |               |
| ľ                   | 23)      |          |          |              |          |  |           |           |              |              |               |
| -                   | 24       | Ц        | <u> </u> |              | L        |  |           |           |              |              | _             |
|                     | 25<br>26 | H        |          | -            | -        |  | H         |           |              | -            | -             |
|                     | 27       | H        | -        | -            | -        | ·  | ·         | _         | -            | -            | -             |
| -                   | 28       | H        | -        |              | -        |  |           |           | -            | $\vdash$     | -             |
| $\vdash$            | 29       | П        | Г        |              |          | Г  |           |           |              |              |               |
|                     | 30       |          |          |              |          |  |           |           |              |              |               |
|                     | 31)      |          | <u> </u> |              |          | _  | _         |           |              | _            | _             |
| $\sqcup$            | 32       |          | -        | _            | -        | -  | <u> </u>  | $\vdash$  | -            | -            | -             |
| $\vdash$            | 33<br>34 | H        | -        | -            | $\vdash$ | -  | $\vdash$  | -         | -            | -            | <del> </del>  |
| -                   | 35       | ╫        | -        | -            | $\vdash$ | $\vdash$   | -         | -         | -            | -            | -             |
|                     | 36       | 11       | 1        |              |          | 1  | $\vdash$  |           | -            | $\vdash$     |               |
|                     | 37       |          |          |              |          |  |           |           |              |              |               |
| -                   | 38       | IJ       |          |              |          |  | L         |           |              | Ļ            | L             |
| -                   | 39       | , , ,    | <u> </u> | _            | _        | -  | -         | <u> </u>  | _            | <del> </del> | _             |
| $\vdash$            | 40       | _        |          | _            | -        | <u> </u>   | $\vdash$  | <u> </u>  | -            | -            | -             |
| $\vdash \downarrow$ | 41       | -        | -        | <u> </u>     |          | $\vdash$   | Ļ         |           | -            | -            | -             |
|                     | 42<br>43 |          | $\vdash$ | -            | -        | $\vdash$   | $\vdash$  | -         | $\vdash$     | -            | -             |
|                     | 44       |          | +        | <del> </del> | -        | $\vdash$   | $\vdash$  | -         | -            | -            | -             |
|                     | 45       |          | $\vdash$ |              | $\vdash$ | <del>                                     </del> | $\vdash$  |           | 1            |              |               |
| -                   | 46       | -        | L        |              |          |  |           |           |              |              |               |
|                     | 47       |          |          |              |          |  |           |           | 匚            | L            |               |
|                     | 48       | -        | L        |              | L        | _  | L         | _         | ļ            | <u> </u>     | _             |
| $\vdash$            | 49       | <u> </u> | $\vdash$ | _            | <u> </u> | ļ  | <u> </u>  | _         | <del> </del> | <del> </del> | ├-            |

| Cla      | im       | Date     |          |           |          |  |  |              |  |          |          |  |
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|          |          |          |          |           |          |  |  |              |  | П        |          |  |
| Final    | Original |          |          |           |          |  |  |              |  |          |          |  |
| 11       |          | $\dashv$ | -        | -         |          | _  | $\dashv$   |              | -  |          | _        |  |
| H        | 51<br>52 |          | $\dashv$ |           | Н        | -  |  | $\dashv$     |  | -        | _        |  |
| $\vdash$ | 53       | $\dashv$ | $\dashv$ | -         | $\vdash$ | -  | $\dashv$   | -            | $\dashv$   | -        | _        |  |
|          | 54       | -        |          | -         |          | _  | $\vdash$   |              |  | -        | _        |  |
| $\vdash$ | 55       |          |          | $\exists$ | Н        | _  | Н  | $\dashv$     | -  | $\dashv$ |          |  |
| $\vdash$ | 56       | -        | $\dashv$ |           | Н        | -  | Н  |              | -  | -        | -        |  |
|          | 57       |          | _        | _         |          |  |  |              |  |          | -        |  |
| H        | 58       |          |          |           |          |  |  |              |  |          | _        |  |
| $\vdash$ | 59       |          |          |           |          |  |  |              |  |          |          |  |
| 1        | 60       | П        |          |           |          | _  | П  |              |  |          |          |  |
| Г        | 61       |          |          |           |          |  |  |              |  |          |          |  |
|          | 62       |          |          |           |          |  |  |              |  |          |          |  |
| Г        | 63       |          |          |           |          | Г  |  |              |  |          |          |  |
| Г        | 64       |          |          |           |          |  |  |              |  |          |          |  |
| Г        | 65       |          |          |           |          |  |  |              |  |          |          |  |
|          | 66       |          |          |           |          |  |  |              |  |          |          |  |
|          | 67       |          |          |           |          |  |  |              |  |          |          |  |
|          | 68       |          |          |           |          |  |  |              |  |          |          |  |
|          | 69       |          |          |           |          |  |  |              |  |          |          |  |
| Γ        | 70       |          |          |           | _        |  | _  |              |  |          | Ĺ        |  |
|          | 71       |          |          |           |          |  |  |              |  |          |          |  |
|          | 72       |          |          |           |          |  |  |              |  |          |          |  |
|          | 73       |          |          |           |          |  |  |              |  |          |          |  |
|          | 74       |          |          |           |          |  |  |              |  |          |          |  |
|          | 75       |          |          |           |          |  | Ĺ  |              |  |          |          |  |
| L        | 76       | L        |          | _         | _        | _  | ļ.,  | _            | _  |          |          |  |
|          | 77       | L        | L        |           | <u> </u> | _  |  | <u>_</u>     | L  | _        | _        |  |
|          | 78       | L        | L_       |           | <u> </u> | L  | <u> </u>   | _            | _  | _        | <u> </u> |  |
| <b></b>  | 79       | <u> </u> | <u> </u> | _         | $\vdash$ | <u> </u>   |  | <u> </u>     | _  | -        | ļ        |  |
| -        | 80       |          | -        | -         | <u> </u> | <u> </u>   | -  | <del> </del> | -  | $\vdash$ | -        |  |
| 1        | 81       | _        | ├        | -         | $\vdash$ |  | ├  | -            | -  | -        | $\vdash$ |  |
| -        | 82       | -        | -        | ├-        | -        | -  | $\vdash$   | <del> </del> | -  | $\vdash$ | $\vdash$ |  |
| -        | 84       | $\vdash$ | -        |           | -        | $\vdash$   | $\vdash$   | ├            | -  | -        | $\vdash$ |  |
| -        | 85       | -        | $\vdash$ | -         | -        | -  | $\vdash$   | -            | -  | -        | $\vdash$ |  |
| $\vdash$ | 86       | -        | ╁        | +         | $\vdash$ | -  | +-   | -            | -  | $\vdash$ | $\vdash$ |  |
| -        | 87       | -        | -        |           | -        | $\vdash$   | 1  | -            | -  | 1        | -        |  |
| $\vdash$ | 88       | -        | -        | -         | -        | -  | +  | -            |  | $\vdash$ | $\vdash$ |  |
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| $\vdash$ | 90       | +        | T        | $\vdash$  | $t^-$    |  | <del>                                     </del> | 1            | _  | Т        |          |  |
| $\vdash$ | 91       | $\vdash$ | +-       | $\vdash$  | +-       | -  | $\vdash$   | $\vdash$     | -  | $\vdash$ | -        |  |
| $\vdash$ | 92       | $\vdash$ | $\vdash$ | $\vdash$  | $\vdash$ | +  | $\vdash$   | -            |  | -        | $\vdash$ |  |
| $\vdash$ | 93       | -        | $\vdash$ | -         | H        | <del> </del>                                     | +-   | $\vdash$     | $\vdash$   | -        | 1        |  |
| -        | 94       |          | $\vdash$ | 1         | +-       | <del>                                     </del> | +-   | $\vdash$     | 1  | -        | -        |  |
| $\vdash$ | 95       | 1        | $\vdash$ | $\vdash$  | †-       | -  | $\vdash$   | $t^{-}$      | <del>                                     </del> | T        | 1        |  |
| H        | 96       |          | 1        |           | t        | H  | 1  | $\vdash$     |  | $\vdash$ |          |  |
| <b> </b> | 97       | T        | $t^-$    | $\vdash$  | T        | Τ  | t  |              | 1  | Г        | Τ        |  |
| $\vdash$ | 98       | $\vdash$ | $\vdash$ | 1         | T        | $\vdash$   | t  | T            | $\vdash$   | Г        |          |  |
|          | 99       | T        | $t^-$    | 1         | T        |  | T  |              |  |          |          |  |
|          | 100      | 1        | Γ        | T         | T        |  | $I^-$  |              |  |          |          |  |

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| Final    | Original   |          |              |          |          |          |           |          | _        |              |              |
|          | 101        |          |              |          |          |          |           |          |          | $\sqcap$     | _            |
|          | 102        |          |              |          |          |          |           |          |          |              |              |
|          | 103        |          |              |          |          |          |           |          |          |              |              |
|          | 104        |          |              | _        |          |          |           |          |          |              |              |
|          | 105        |          |              |          |          | _        |           | _        |          | _            |              |
|          | 106        |          |              | _        |          |          |           | _        |          |              |              |
|          | 107<br>108 |          |              |          |          |          | $\Box$    | _        | _        |              |              |
|          | 109        |          |              | _        | -        |          |           | _        | _        |              |              |
|          | 110        |          |              |          | ⊢        | -        |           | _        | -        | Н            |              |
|          | 111        |          |              |          | $\vdash$ |          | Н         | -        | _        | H            | -            |
|          | 112        | -        |              | _        | $\vdash$ |          | Н         |          |          |              | _            |
| _        | 113        |          |              | _        | _        |          |           |          | Г        | М            | _            |
|          | 114        |          |              |          |          |          |           |          |          |              |              |
|          | 115        |          |              |          |          |          |           |          |          |              |              |
|          | 116        |          |              |          |          |          |           |          | _        |              |              |
|          | 117        |          |              |          | _        | _        | _         | _        | _        | L            | <u> </u>     |
|          | 118        |          | <u> </u>     | _        | _        | -        | _         | _        | _        | L            | _            |
| _        | 119        |          | ļ            | _        | _        | _        | <u> </u>  | <u> </u> | -        | ┡            | ⊢            |
|          | 120        |          | <u> </u>     | _        |          | _        | <u> </u>  | -        | _        | <u> </u>     | -            |
| _        | 121        |          | ├_           | ┡        |          |          | ⊢         | <u> </u> | -        | -            | ├-           |
| -        | 122        |          | ├-           | ┝        | ├        | ⊢        | ├         | -        | -        | -            | ╁            |
|          | 124        |          | ├            | $\vdash$ | ├        | ┢        | ├-        | $\vdash$ | ╁╌       | ╁            | ┢            |
| ├┈       | 125        |          | -            | $\vdash$ | ╁╌       | $\vdash$ | 1-        | ┢        | $\vdash$ | ✝            | t            |
| _        | 126        |          | 1            | _        | <u> </u> |          | T         |          | 1        | Г            | 1            |
| Г        | 127        |          | 1            | Г        | T        |          |           |          |          |              |              |
|          | 128        |          |              |          | _        | L        |           |          | L        | T            | L            |
|          | 129        |          |              |          |          | L        | L.        | L        | L        | L            | L            |
|          | 130        |          | <u> </u>     | <u> </u> | L        | ↓_       | <u> </u>  | L        | ↓_       | 1            | 1            |
| L        | 13         | _        | <u> </u>     | <u> </u> | ╀        | ↓_       | <b>├</b>  | ├-       | ╀        | ╀            | ┼-           |
| L        | 132        |          | <del> </del> | -        | ╀-       | +        | +-        | ├-       | ╀        | +            | ╁            |
| <u> </u> | 133        | 1_       | -            |          | +        | $\vdash$ | +         | ├-       | +        | +            | +            |
| -        | 13         |          | +            | -        | $\vdash$ | +        | +-        | ┢        | +-       | +-           | +            |
| -        | 136        |          | +            | $\vdash$ | $\vdash$ | +-       | t         | 1        | T        | T            | T            |
| -        | 137        |          | +            | $\vdash$ | T        | 1        | $\dagger$ | T        | T        | T            | T            |
| H        | 138        |          | $\dagger$    | $\vdash$ | T        | 1        |           | Γ        |          | Ι            | $\mathbb{L}$ |
|          | 139        |          | T            |          | Τ        | I        | Ι         | L        |          | $oxed{\Box}$ | L            |
|          | 140        |          | Γ            |          | Γ        | Γ        |           |          |          |              | L            |
|          | 14         |          |              |          | Γ        |          |           |          |          | L            | L            |
| Г        | 14         |          |              |          |          |          |           |          |          | 1            | 1            |
|          | 143        |          |              |          | $\Box$   |          | 1_        | 1        | 1        | 1            | $\downarrow$ |
|          | 14         |          | L            | L        | _        | 1_       | 1         | $\vdash$ | $\perp$  | +            | +            |
| L        | 145        |          | 1            | 1        | ╄-       | _        | ┼-        | ـ        | +        | +-           | +-           |
| _        | 146        | <u> </u> | ــــ         | ₽        | ╀        | -        | +         | ╀        | ╁        | +            | 十            |
| L        | 14         | ]_       | -            | $\vdash$ | +        | $\vdash$ | ╀         | ╁        | ╁        | +            | 十            |
| $\vdash$ | 148        | 1—       | +            | $\vdash$ | ╁        | ╁        | +         | ╁        | +        | +            | +            |
| <u> </u> | 150        | 1        | +-           | +        | ╁        | +        | +         | $\vdash$ | +        | +            | 1            |
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